

Engineering Geology/BMT

## Stipend offer for master degree project

Are you interested in gaining practical research experience and training in engineering geology, and prepare for doctoral studies? At Engineering Geology, we offer a stipend for this, around the topic of *Risk assessment and remediation at contaminated sites*.

Starting from data and an initial implementation available, the successful applicant will reflect on possible approaches to include a two- or three-dimensional distribution of subsurface heterogeneity in risk assessment and/or remediation monitoring methods. An example of approach is permeability inversion through a Bayesian framework that combine electrical imaging data with chemical analyses.

Applicants must fulfill the requirements to start their degree project on the 29<sup>th</sup> of January 2024 within an Engineering master program in Europe. To be eligible and be able to take active part in the study related to this stipend, the applicant must have completed courses in hydrogeology and/or geophysics corresponding to 30 ECTS at the master level. Good programming skills with Python and previous experience with solute transport modelling and inversion of electrical data are regarded as merits when evaluating applications. In addition, good English oral proficiency is important and previous experience in writing scientific documents in English will be valued.

The stipend will contribute to personal expenses of the successful applicant during the master degree project and the amount is 11,088 SEK/month during the period 29<sup>th</sup> of January – 26<sup>th</sup> of July 2024.

If you are interested, send your CV and a 1-page cover letter to [cecilia.mildner@tg.lth.se](mailto:cecilia.mildner@tg.lth.se) before the 22<sup>nd</sup> of November 2023. You may also contact Léa Lévy at Engineering Geology ([lea.levy@tg.lth.se](mailto:lea.levy@tg.lth.se)) if you have questions around the stipend offer.